Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/05/2015 10:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123534	-2	3.28	123432	3.25
Blue	F	SSC	125000	123165	-2	3.69	124069	3.47
Blue	E	FITC	17998	17398	-4	2.78	983	8.93
Blue	D	PE	23234	22799	-2	2.30	1028	8.20
Blue	B	PerCP-Cy5-5	69571	68758	-2	2.99	1805	13.14
Blue	A	PE-Cy7	77815	75659	-3	4.11	983	25.01
Red	C	APC	65936	64725	-2	2.56	3649	8.18
Red	A	APC-Cy7	100669	100491	-1	2.59	1982	8.03
Violet	B	V450	10405	9977	-5	4.26	621	9.07
Violet	A	V500	47250	45676	-4	4.00	2586	6.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18738	13.57	608	29	N/A	N/A	Pass
Blue	F	SSC	61349	2.32	517	28	N/A	N/A	Pass
Blue	E	FITC	106	34.59	532	17	0.0254	86	Pass
Blue	D	PE	212	24.02	525	18	0.1670	110	Pass
Blue	B	PerCP-Cy5-5	218	40.29	611	21	0.0114	32	Pass
Blue	A	PE-Cy7	73	98.04	667	21	0.0148	8	Pass
Red	C	APC	339	26.56	586	8	0.0208	10	Pass
Red	A	APC-Cy7	125	38.05	567	8	0.0047	708	Pass
Violet	B	V450	66	45.12	471	21	0.0370	1700	Pass
Violet	A	V500	167	24.08	511	23	0.0124	333	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/05/2015 10:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.45	-31.32	0.72
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.19
Red	15.19	13.07 - 19.61	N/A	N/A	31.78	32.12	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 13604

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments